

NORTHWEST LABORATORIES

of Seattle, Incorporated

ESTABLISHED 1896

Technical Services for: Industry, Commerce, Legal Profession & Insurance Industry



1530 FIRST AVENUE SOUTH

• SEATTLE, WASHINGTON 98134 •

Telephone: (206) 622-0680

Report To: Alaskan Copper Works
Attention: Jim Brown

Date: December 22, 1988

Report On: Waste Water

Lab No.: E 45898

SUBMITTED:

Five (5) Samples Metro Waste Water Discharge for Chemical Analysis

IDENTIFICATION:

#1 - ID - 12-5A - 3200 M 8190
#2 - ID - 12-5B - 3200 M 8190
#3 - ID - 12-5C - 3200 M 8190
#4 - ID - 12-5D - 3200 M 8190
#5 - ID - 12-5E - 3200 M 8190

ANALYSIS:

<u>Element</u>	<u>Sample #1</u>	<u>Sample #2</u>	<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #5</u>
Copper, Cu, ppm	2.6	6.8	11.0	5.5	5.7
Nickel, Ni, ppm	2.7	7.9	11.2	4.8	6.4
Chromium, Cr, ppm	4.3	12.0	18.4	7.2	9.9
Zinc, Zn, ppm	0.6	1.6	2.0	1.2	1.3

NORTHWEST LABORATORIES

Sam LeBarron
Director, Analytical Laboratory

wbm

AKC-0015623

NORTHWEST LABORATORIES

of Seattle, Incorporated

ESTABLISHED 1896

Technical Services for: Industry, Commerce, Legal Profession & Insurance Industry



1530 FIRST AVENUE SOUTH

• SEATTLE, WASHINGTON 98134 •

Telephone: (206) 622-0680

Report To: Alaskan Copper Works
Attention: Jim Brown

Date: December 22, 1988

Report On: Waste Water

Lab No.: E 45898

SUBMITTED:

Five (5) Samples Metro Waste Water Discharge for Chemical Analysis

IDENTIFICATION:

DEC 27 1988

#1 - ID - 12-5A - 3200 M 8190
#2 - ID - 12-5B - 3200 M 8190
#3 - ID - 12-5C - 3200 M 8190
#4 - ID - 12-5D - 3200 M 8190
#5 - ID - 12-5E - 3200 M 8190

ANALYSIS:

<u>Element</u>	<u>Sample #1</u>	<u>Sample #2</u>	<u>Sample #3</u>	<u>Sample #4</u>	<u>Sample #5</u>
Copper, Cu, ppm	2.6	6.8	11.0	5.5	5.7
Nickel, Ni, ppm	2.7	7.9	11.2	4.8	6.4
Chromium, Cr, ppm	4.3	12.0	18.4	7.2	9.9
Zinc, Zn, ppm	0.6	1.6	2.0	1.2	1.3

NORTHWEST LABORATORIES

A handwritten signature in black ink, appearing to read "Sam LeBarron", written over a horizontal line.

Sam LeBarron
Director, Analytical Laboratory

wbm

AKC-0015624